

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONATTORNEY DOCKET NO. 10981377-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Chemico-Mechanical Microvalve And Devices Comprising The Same

the specification of which is attached hereto unless the following box is checked:

( ) was filed on \_\_\_\_\_ as US Application Serial No. or PCT International Application  
Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

## Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

## Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
60/091,093	6/29/98

## U. S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

## POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Philip S. Yip

Herbert R. Schulze

Bill Kennedy

Marc P. Schuyler

Reg. No. 37,265

Reg. No. 30,682

Reg. No. 33,407

Reg. No. 35,675

Send Correspondence to:  
IP Administration  
Legal Department, 20BN  
HEWLETT-PACKARD COMPANY  
P.O. Box 10301  
Palo Alto, California 94303-0890

Direct Telephone Calls To:

Philip S. Yip  
(650) 857-4316

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Karla M. RobottiCitizenship: USResidence: 1008 Gull Ave, Foster City, CA 944041906 Newman Place, Mt. View CAPost Office Address: Same as residence94043

Inventor's Signature

Date

4/14/99

DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION (continued)

ATTORNEY DOCKET NO. 10981377-1

Full Name of # 2 joint inventor: Sally A. Swedberg Citizenship: US

Residence: 451 W. Meadow Drive, Palo Alto, CA 94306

Post Office Address: Same as residence

Inventor's Signature *S. Swedberg* Date 14 Jul 1999

Full Name of # 3 joint inventor: Hongfeng Yin Citizenship: China  
6068 Elmbridge Dr.  
San Jose, CA 95129

Residence: 21230 Homestead Rd #75, Cupertino, CA 95014 H.Y.

Post Office Address: Same as residence

Inventor's Signature *Hongfeng Yin* Date 4/14/99

Full Name of # 4 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Full Name of # 5 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Full Name of # 6 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Full Name of # 7 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Full Name of # 8 joint inventor: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

When recorded please return to:

HEWLETT-PACKARD COMPANY  
Legal Department, 20BN  
P. O. Box 10301  
Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10981377-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

Chemico-Mechanical Microvalve And Devices Comprising The Same

Filing date: 04/20/99

Serial No.: 09/294,867

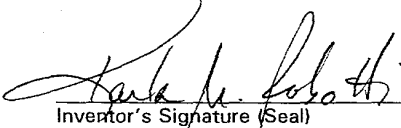
and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct HP attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

  
Inventor's Signature (Seal)

Date Assignment Signed: 4/14/99

Inventor's Typed Name: Karla M Robotti

Date Application Signed: 4/14/99

State of California )

) ss.:

County of Santa Clara )

Before me this 14 day of April 1999, personally appeared Karla M Robotti who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



  
Notary Public

My commission expires: 10-10-02

When recorded please return to:

HEWLETT-PACKARD COMPANY  
Legal Department, 20BN  
P. O. Box 10301  
Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10981377-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

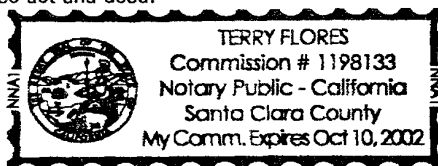
IN WITNESS WHEREOF, I we hereunto set my/our hand(s) and seal(s):

S. Swedberg Date Assignment Signed: 14 April 1999  
Inventor's Signature (Seal)

Inventor's Typed Name: Sally A Swedberg Date Application Signed: 14 April 1999

State of California )  
 ) ss.:  
County of Santa Clara )

Before me this 14 day of April 1999, personally appeared Sally A Swedberg who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Terry Flores  
Notary Public  
My commission expires: 10-10-02

Hongfeng Yin Date Assignment Signed: 4/14/99  
Inventor's Signature (Seal)

Inventor's Typed Name: Hongfeng Yin Date Application Signed: 4/14/99

State of California )  
 ) ss.:  
County of Santa Clara )

Before me this 14 day of April 1999, personally appeared Hongfeng Yin who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Terry Flores  
Notary Public  
My commission expires: 10-10-02

\_\_\_\_\_  
Inventor's Signature (Seal) Date Assignment Signed: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Typed Name: \_\_\_\_\_ Date Application Signed: \_\_\_\_\_

State of \_\_\_\_\_ )  
 ) ss.:  
County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My commission expires: \_\_\_\_\_